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MERIDIAN CIRCLE OBSERVATIONS OF NEW STARS

NOVA CYGNI 1920					
Epoch	R. A.	1920.0	Decl.	Obs.	Mag.
1920.67.....	19 ^h 56 ^m 24 ^s .647	+53°	24'1".06	4W	2 to 4
Precess. 1920.....	+1 ^s .5005		+9".752	....	....

This position reduced to the epoch 1875.0 gives 19^h55^m17^s.1 +53°16'44". There is a fifteenth magnitude star on the Wolf-Palisa photographs, preceding 4^s.1, and 8" north. The date of the photograph is 1905, and a proper motion of 2".5 for the faint star would be required to bring it into coincidence with the position of the nova. The measurement of the photograph position of the faint star was made by Dr. Thiele.

Nova Aquilae No. 3

The following positions for three successive years have been reduced to 1920.0

NOVA AQUILAE No. 3					
Epoch	R. A.	1920.0	Decl.	Obs.	Mag.
1918.56.....	18 ^h 44 ^m 49 ^s .663	+0°29'	37".85	8 E	3 to 4
1918.58.....	49.640	.....	37.95	8 W	0 to 4
1919.61.....	49.642	.....	38.05	4 W	6.7
1920.58.....	49.637	.....	37.84	4 W	8.8
Precess. 1920.....	+3 ^s .0618	.....	+3".897	...	....

The observations of 1919 and 1920 have been corrected for magnitude equation in right ascension. There is no indication of sensible proper motion.

R. H. TUCKER.

September 7, 1920.